Test Plan

For

OrangeHrm

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Version History

Name	Date	Reason For Changes	Version
Initial Release	02-08-2018	First draft	1.0

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1. Test Plan Objectives

This plan defines the scope and approach to testing of OrangeHRM version 3.0 – MyInfo Module project.

2. References

The below SRS and SRS Analysis template will be referred during creation of test cases and test planning:
- Project Functional Requirement Specification Version 1 doc
- SRS Analysis Template.xls

3. Audience

- Sprint stakeholders(Product team, Design team, Development team, Testers)

4. Test Strategy

Following types of testing will be carried out for this project:

4.1 GUI & Content Testing

First level GUI testing would be done as soon as the templates are ready for implementation and before coding happens.
The GUI of My Info 'Personal Details' section will be tested as per the below mentioned guidelines:
1. All the page elements appear exactly like the approved templates and are consistent across site in terms of
    - Size, position, height, width of page elements
    - Text Font Type
    - Text Font Size
    - Color
    - Alignment
    - Content
    - Maximum field limits
2. All the page elements that were present on the approved templates are there on the created HTML
3. The HTML appear without any horizontal scroll bars and distortion on resolutions:
        1024 X 768
        640X480

1280 X 800
                    1920 X 1080
4. Check if the webpage is responsive
5. All the error, warning and confirmation messages are as in the approved templates.
6. Spelling and grammar checks
7. Test for no broken links within 'MyInfo' module.
8. Any disabled fields will be greyed out.
9. Header and footer section validation
10. Validate whether Alt attribute provided for all images in case they are not visible for any reason.
11. Dropdown list boxes and values should be clearly visible
12. Checkboxes and Radio buttons should not overlap with content
13. Calendar pops out and is clear and visible for DOB and License expiry date.

4.2 Compatibility Testing

GUI Compatibility Testing to be done on following combinations:

Platform	Browser
Windows 8	Chrome 67, Chrome 58,Microsoft Edge 11,Firefox
Windows 10	Chrome 67, Chrome 58,Microsoft Edge 11,Firefox

Functional Compatibility Testing to be done on following combinations:

Platform	Browser
Windows 10	Chrome 67,Microsoft Edge 11

4.3 Functional Testing

Functions to be tested

Functions	Tester	Comments
Viewing and verifying personal details with data provided.		
Editing personal details and validating.		
Calendar functionality on DOB		
Adding photograph		
Viewing the added photograph and verifying.		

Replacing the photograph and verifying		
Attachment files of personal details		
Ethnicity dropdown shows prepopulated as desired.		
Validating client and server side checks on fields.		

Functions not to be tested

Only the Personal Details section will be tested. 'Contact Details', 'Emergency Contacts', 'Dependents', 'Immigration', 'Job', 'Salary', 'Report to', 'Qualifications' will not be tested as of now.

Integration Level Testing

Functions to be tested

Verification that Fields edited and all changes made within 'Personal Details' section reflect in 'MyInfo' module even when ESS User navigates to other modules and navigates back to 'MyInfo' module or logs out and logs back in .

Functions not to be tested

1. Integration of 'Contact Details', 'Emergency Contacts', 'Dependents', 'Immigration', 'Job', 'Salary', 'Report to', 'Qualifications' to the MyInfo module will not be tested as of now.
2. Validation of changes done in 'My Info' section (fields edited such as Name of ESS User) are reflecting in the admin/supervisor's account. We have no way of accessing the admin/supervisor's account.
3. Database level validation

Session Management

Session based tests would be conducted to ensure that no data loss happens incase timeout occurs at the time changes are being made.

User Acceptance Testing

Functions to be tested

Top level functions would be validated by the product team.

4.4 Performance

The download time of Personal Details page would be done using Google	Validate over a 56K modem connection time for MyInfo page

chrome add-on 'Pageload time'.	download time not exceeding more than 10s.
	Page download times with/without caching to be noted.

4.5   Automation

NA

5.   Test Environment

- Demo server should be available for testing and user data should be pre populated and account created by HR admin.
- MyInfo module will be hosted on 2 servers: one to host the actual website and language code and the other to host the database.
- Jira would be used to log bugs and for communication to sprint stakeholders.

6.   Suspension/Exit Criteria

Testing will be halted if some blocker/critical bug comes up for which no workaround exists. Exit criteria for the module
- No open critical and high severity bugs exist. All unresolved defects are changed to either Change Requests/Enhancements or marked as severity Low.
- All test deliverables have been added to version control.
- 100% execution of test cases with test results updated.
- Go ahead from UAT team.
- All testing related changes within code have been commented out and tested.

7.   Resumption Criteria

Testing will be resumed after all blocker bugs are resolved. We must regression test the previous bugs. Test the previously closed bugs with the severity of Crash, Nonfunctioning Feature, and Major Functional for each major milestone.

8.   Assumptions, Risks and Dependencies

Assumptions:
ESS Test user has been created on which testing would be done.
Dependency:
- Dependency on dev and design team for timely delivery of code and designs.

Risk	Mitigation plan	Comments
Delay in development phase or design phase could impact testing schedule	Test cases will be prepared beforehand to deal with the situation in best way possible. An extra resource has been identified who will be pooled in to speed up testing process in case of emergency. GUI testing of static HTML pages will be done beforehand to avoid delays in testing schedules.	
Changes in requirement happens once development has been done and a new issue arises due to which requirement needs to be changed.	Recalculation of risk involved would be done at that point of time and the impact of change assessed with or without implementing the new change.	
Delay at testing end due to unavailability of resource	2 extra resource have been pre informed about the testing activities and have been involved at sprint planning meetings to keep them informed about the proceedings. Leaves and vacations have already been accounted for during estimation of test effort.	